

# **EXHIBIT A**





## TRITON® X-100 Nonionic Surfactant

## **Product Description**

TRITON® X-100 is a water-soluble, liquid, nonionic surfactant that has come to be recognized as the performance standard among similar products. It is an octylphenol ethoxylate with an average of nine to 10 moles of ethylene oxide and is a 100-percent active product.

#### Special Features

- Excellent wetting ability
- Excellent detergency
- · Excellent grease and oil removal from hard surfaces
- Good thermal stability

## **Typical Physical Properties**

Actives Content, wt % Appearance Color, APHA	100 Clear liquid 100	
Viscosity, at 25°C, cP Pour Point, °C (°F) Specific Gravity at 25°C pH, 5% aqueous solution	240 7 (45) 1.065 6	
Cloud Point, 1% aqueous solution, °C (°F) Density, lb/gal Flash Point, Tag Open Cup, °C (°F) HLB Value	65 (149) 8.9 >149 (>300) 13.5	

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39 Old Ridgebury Road

Danbury, CT 06817-0001



# Product Data Sheet DEHYPOUND® HSC 5515

General characterisation Chemical description Proprietary Blend

Labeling information INCI name(s)
Surfactant Concentrate

Registrations Ingredient

CASR-No.

EINECS/ELINCS-No.

Trade Secret Blend

Officially listed in / Quality conforms to TSCA

Product properties
Appearance

Clear, Light Yellow Liquid

Example of use

D hypound HSC 5515 shows the following advantages:

Possibility to reduce or eliminate the use of solvents (alcohols, glycol ethers etc.) without loss

Premium detergency and gloss retention

No streaking or visible film formation

Possibility to make non gelling high performing super concentrated hard surface cleaners Supply chain simplicity. Few raw materials needed for many applications (ultra concentrates, floor-, all purpose-, glass cleaner

Cost savings compared to systems containing solvents

Very versatile due to the nonionic nature of Dehypound HSC 5515

Special Characteristics:

Completely biodegradable, improved hard surface detergency, low foaming, primarily naturally derived, and reduced streaking of high gloss surfaces.

Superior Hard Surface Detergency Low Foaming Surfactant Blend Concentrated surfactant blend based on Alkyl Polyglycoside and proprietary Nonionic Defoaming Surfactant.

Characteristic values



## MATERIAL SAFETY DATA SHEET

Product name: WITCOLATE LCP

MSDS Number: 600000001297 Revision: 1.1 11/25/2000 Page: 1 of 8

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

WITCOLATE LCP

Chemical name:

Sodium alkyl sulfate

Supplier:

Crompton Corporation

One American Lane

Greenwich, CT 06831-2559, USA

Emergency telephone number:

Crompton Corporation Emergency Response (24 hours)

732-826-6600

CHEMTREC (24 hours) 800-424-9300

For MSDS, Product Safety, or regulatory

inquiries, call:

Mike Curl 713-434-4421

Customer Service:

877-948-2601

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION	
Alcohols, C10-16, sulfare, sodium salt	68585-47-7	30.0 %	
Water	7732-18-5	69.0 %	
Alcohols, C10-16	67762-41-8	1.0 %	
Formaldehyde	50-00-0	< 0.06 %	

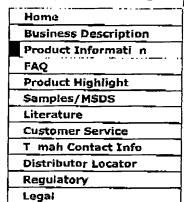
## 3. HAZARDS IDENTIFICATION

APPEARANCE

Physical state

Liquid







All Products Applications Family Experimental

## Product Detail

#### 0-14-2

Tomah quaternaries are based on the reaction of high molecular weight aliphatic tertiary amines with an alkylating agent such as methyl chloride. Quaternaries are more cationic and more stable to pH change than other amine-based surfactants such as ethoxylated amines or amine acetate salts. The different molecular configurations give different solubility, emulsification, and cationic strength properties. Q-14-2 is a good grease emulsifier.

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#### **Chemical Description:**

isodecyloxypropyl dihydroxyethyl methyl ammonium chloride

#### Family:

Quaternary Amine

## Net Weight:

425

#### Drum Type:

THP

#### Package:

Bulk

#### Applications:

All Purpose Cleaners
Corrosion Inhibitor
Industrial Cleaners
Intermediate Uses
Laundry
Low Foam Cleaners
Low VOC Cleaners
Solvent Cleaners
Transportation Cleaners
Quaternary Amine
All Products

#### Advantages:

- Efficient emulsifier of various materia
- Inhibits corrosion
- Boosts detergency of non-ionic surfactants
- Anti-static agents
- May be combined with other surfacta to produce a solvent-free degreaser
- Strongly cationic and substantive to surfaces

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All Products Applications Family Experimental

## Product Detail-

#### AO-14-2

Tomah AO-14-2 is an ether amine oxide derived from a branched chain C10 alcohol. Tomah amine oxides are widely used in detergents to provide grease emulsification and soil suspension. Another use for amine oxides is in combination with quaternaries and non-ionics to form a synergistic surfactant base for use in household, institutional and industrial cleaning compounds. This system is considered a more environmentally safe alternative to solvent containing systems. In particular, it can replace the use of glycol ethers in cleaning compounds. This surfactant base provides the formulator with the ability to change the builder system to suit applications without having to change surfactants

Chemical Description: >

bls-(2-hydroxyethyl) -

Isodecyloxypropylamine oxide

Family:

Amine Oxide

**Net Weight:** 

425

Drum Type:

THP

Package:

Bulk

**Applications:** 

All Purpose Cleaners Bathroom Cleaners Dishwash Products Glass Cleaners Industrial Cleaners Low Foam Cleaners Low VOC Cleaners Transportation Cleaners Amine Oxide All Products

Advantages:

- Moderate, flash foam
- Excellent grease emulsification
- Excellent soil suspension characteristics
- Compatibility in nonlonic, cationic, anionic systems

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Distributor Locator

Regulatory

Legal

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## Product Detail

## Alkali Surfactant

Alkali Surfactant is a unique di-propionate amphoteric that is used extensively in alkaline and acid cleaning formulations. It provides superior hydrotroping, wetting and detergent characteristics. Alkali Surfactant is a moderate foamer, is compatible with anionic surfactants, non-ionic surfactants, and cationic surfactants. It is exceptionally stable in alkali, acids, and highly concentrated electrolytes.

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#### Chemical Description;

beta.-Alanine, N-(2-carboxyethyl)-N-[3-(decyloxy)propyl]-, monosodlum salt

#### Family:

**Amphoteric** 

#### Net Weight:

450

#### Drum Type:

THP

#### Package:

Bulk

#### **Applications:**

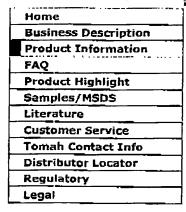
Acid Cleaners
All Purpose Cleaners
Bathroom Cleaners
Dishwash Products
Industrial Cleaners
Laundry
Low VOC Cleaners
Solvent Cleaners
Transportation Cleaners
Amphoteric
All Products

#### Advantages:

- Exceptional stability in alkaline, acident and highlyconcentrated electrolytes
- Strong hydrotrope for non-ionic surfactants
- Moderate foam
- Good detergency
- Increased substantivity in the Zwitterionic range (typically pH 2-4

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All Products | Applications | Family | Experimental

## Product Detail

#### **Amphoteric L**

Amphoteric L is a mild surfactant typically used to generate, stabilize or boost foam. Amphoteric L offers good detergency and superior wetting characteristics. Amphoteric L has moderate stability in highly acidic or highly alkaline media.

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#### Chemical Description: Advantages:

proprietary

Family:

Amphoteric

Net Weight:

450

■ Produces high foam

Mild to skin

Powerful wetting agent

■ Good detergency

Compatible with anioncs, cationics and non-lonics

Drum Type:

THP

Package:

Bulk

**Applications:** 

Acid Cleaners
All Purpose Cleaners
Bathroom Cleaners
Dishwash Products
Industrial Cleaners
Laundry
Low VOC Cleaners
Transportation Cleaners

Amphoteric All Products

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